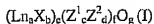


AMENDMENTS TO THE CLAIMS

1. (Currently amended) ~~A material suitable~~ An anode for use in a solid oxide fuel cell, wherein ~~the material~~ at least a part of the anode is a double perovskite oxide material having the general formula I:



wherein Ln is selected from the group consisting of Y, La, a Lanthanide series element, and any combination thereof and X also represents an element occupying the A site of a perovskite oxide and is selected from the group consisting of Sr, Ca and Ba, and Z^1 and Z^2 represent different elements occupying the B site of a perovskite oxide and are selected from the group consisting of Cr, Mn, Mg and Fe, and wherein a has a value from 0 to 1, b has a value of from 1 to 0, and each of c and d has a value of from 0.25 to 0.75, provided that a + b has a value of 1, and c + d, has a value of 1, and wherein e has a value of from 0.8 to 1, wherein f has a value of from 0.8 to 1, and g has a value of from 2.5 to 3.2; said material optionally including at least one dopant.

2. (Currently amended) The ~~material~~ anode of claim 1 wherein Z^1 and Z^2 represent Cr and Mn, respectively.

3. (Currently amended) The ~~material~~ anode of claim 1 wherein X represents Sr.

4. (Currently amended) The ~~material~~ anode of claim 1 wherein said at least one dopant is a B site dopant selected from the group consisting of V, Fe, Cu, Co, Ru, Ni, Pd, Ce, Ti, Nb, Mo and Mg.

5. (Currently amended) The ~~material~~ anode of claim 4 wherein the B site dopant is present at a level of not more than 20%.

6. (Currently amended) The ~~material~~ anode of claim 5 wherein the B site dopant is present at a level of from 5 to 20%.

7. (Currently amended) The ~~material~~ anode of claim 1 wherein in general formula I each of c and d has a value of at least 0.4.

8. (Currently amended) The ~~material~~ anode of claim 1 wherein at least 30% of the B sites are occupied by a third element Z^3 .

9. (Currently amended) The ~~material~~ anode of claim 1 wherein, in general formula I, a has a value of from 0.7 to 0.9.

10. (Currently amended) The ~~material~~ anode of claim 9 wherein, in general formula I, a has a value of from 0.72 to 0.85.

11. (Currently amended) The ~~material~~ anode of claim 1 in which said double perovskite oxide material has a porosity of at least 20%.

12. (Currently amended) The ~~material~~ anode of claim 11, in which said double perovskite oxide material has a porosity of from 40 to 50%.

13. (Currently amended) An SOFC having an anode or functional layer of an anode ~~comprising a material having the general formula (I) as defined hereinbefore in~~ of claim 1.

14. (Currently amended) An ~~anode~~ assembly for use in an SOFC, said assembly including an anode comprising a material having the general formula (I) as defined hereinbefore in claim 1.

15-19 (Canceled)

20. (Currently amended) A method of oxidising a fuel in an SOFC, comprising the steps of:

- a) providing an SOFC having an anode as claimed in claim 14 1; and
- b) oxidizing ~~applying a voltage to said SOFC so as to oxidize said fuel in said SOFC.~~

21. (Previously presented) A method as claimed in claim 20 wherein is used a fuel selected from the group consisting of hydrogen; a hydrocarbon fuel compound; a hydrocarbon

based fuel compound; a non-hydrocarbon hydride fuel compound, and at least partial reformations thereof.

22. (Currently amended) The ~~material~~ anode of claim 1 wherein, in general formula I, b has a value of from 0.25 to 0.75.